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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Keisha Douglas

Timestamp: [year=2008; month=1; day=11; hr=17; min=1; sec=42; ms=103; ]

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Reviewer Comments:

<210> 1

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Primers

<400> 1

gactggatc atggagccca gcagcaag

28

The above <211> response for sequence id# 11 is invalid,there are 27 nucleic acids showing. Please correct the remaining sequences with similar errors.

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Application No: 09839536 Version No: 3.0

Input Set:

Output Set:

Started: 2007-12-19 19:52:50.829  
Finished: 2007-12-19 19:52:51.968  
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 139 ms  
Total Warnings: 8  
Total Errors: 8  
No. of SeqIDs Defined: 8  
Actual SeqID Count: 8

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
E 254	The total number of bases conflicts with running total, Input: 28, Calculated : 27 SEQID(1)
E 253	The number of bases differs from <211> Input: 28 Calculated:27
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
E 254	The total number of bases conflicts with running total, Input: 29, Calculated : 33 SEQID(4)
E 253	The number of bases differs from <211> Input: 29 Calculated:33
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
E 254	The total number of bases conflicts with running total, Input: 29, Calculated : 28 SEQID(6)
E 253	The number of bases differs from <211> Input: 29 Calculated:28
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
E 254	The total number of bases conflicts with running total, Input: 27, Calculated : 26 SEQID(8)
E 253	The number of bases differs from <211> Input: 27 Calculated:26



# SEQUENCE LISTING

<110> Kirk E. Apt  
F.C. Thomas Allnutt  
David J. Kyle  
James C. Lippmeier

<120> TROPHIC CONVERSION OF OBLIGATE PHOTOTROPHIC ALGAE THROUGH METABOLIC ENGINEERING

<130> 031676.0212

<140> 09839536

<141> 2001-04-23

<150> 60/198,742

<151> 2000-04-21

<160> 8

<170> FastSEQ for Windows Version 4.0

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<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Primers

<400> 1

gactggatc atggagccca gcagcaag 28

<210> 2

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Primers

<400> 2

gactaagctt tcacacttgg gaatcagc 28

<210> 3

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Primers

<400> 3

gatgaattca tggcgcgcgg tgggtgtag 28

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 <213> Artificial Sequence  
  
 <220>  
 <223> Primers  
  
 <400> 4  
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 <210> 5  
 <211> 35  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Primers  
  
 <400> 5  
 gggaattcat tcaagatgac tgagttcgct agaag 35  
  
 <210> 6  
 <211> 29  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Primers  
  
 <400> 6  
 ccccgcatgc ttattctcg gaaactctt 29  
  
 <210> 7  
 <211> 29  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Primers  
  
 <400> 7  
 gggaatcatt caggatgtct gaagaagct 29  
  
 <210> 8  
 <211> 27  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Primers  
  
 <400> 8  
 cctctagatt actttttcc gaacatc 27